



# Material Safety Data Sheet and Safe Handling and Disposal Information

ENFORCER Products  
A Division of Acuity Specialty Products  
Group, Inc.  
P.O. Box 1060  
Cartersville, GA 30120  
1-888-805-HELP

## Section 1. Chemical Product and Company Identification

**Product Name** Glass Cleaner

SLGC32

**Product Code**

**Date of issue** 07/08/04 **Supersedes** 10/19/01

**Emergency telephone number** **For MSDS Information:**  
Compliance Services (404) 352-1680

**For a Medical Emergency:**  
INFOTRAC  
(877) 541-2016 (Toll Free - Calls Recorded)

**For a Transportation Emergency:**  
CHEMTREC  
(800) 424-9300 (Toll Free - Calls Recorded)

**Prepared by** Compliance Services Group  
Acuity Specialty Products Group  
1420 Seaboard Industrial Blvd.  
Atlanta, GA 30318

## Section 2. Composition, Information on Ingredients

Name of Hazardous Ingredients	CAS #	% by Weight	Exposure Limits
ISOPROPYL ALCOHOL; ipa; dimethylcarbinol; 2-propanol	67-63-0	1-10	<b>ACGIH TLV (United States).</b> TWA: 200 ppm 8 hour(s). <b>OSHA PEL (United States).</b> TWA: 400 ppm 8 hour(s). <b>ACGIH/OSHA (United States).</b> STEL: 400 ppm 15 minute(s). <b>ACGIH TLV (United States).</b> <b>Skin</b> TWA: 20 ppm 8 hour(s). Form: Vapor <b>OSHA PEL (United States). Skin</b> TWA: 25 ppm 8 hour(s). Form: Vapor
ETHYLENE GLYCOL MONOBUTYL ETHER; 2-butoxyethanol; butyl cellosolve	111-76-2	1-5	

## Section 3. Hazards Identification

**Acute Effects** **Routes of Entry** Absorbed through skin. Eye contact. Inhalation.

**Skin** Slightly hazardous in case of skin contact (irritant, permeator). May cause slight irritation in sensitive individuals. Prolonged or repeated contact may dry skin and cause irritation.

**Eyes** Hazardous in case of eye contact (irritant). Inflammation of the eye is characterized by redness, watering, and itching.

**Inhalation** Hazardous in case of inhalation. Avoid breathing vapors or spray mists. May cause respiratory tract irritation.

**Ingestion** Harmful if swallowed.

### HMIS

<b>Health</b>	<b>1</b>
<b>Fire Hazard</b>	<b>2</b>
<b>Reactivity</b>	<b>0</b>
<b>Personal Protection</b>	<b>A</b>

**Carcinogenic Effects** Ingredients: Not listed as carcinogen by OSHA, NTP or IARC.

**Chronic Effects** The substance may be toxic to kidneys. Repeated or prolonged exposure to the substance can produce target organs damage. Prolonged or repeated contact may dry skin and cause irritation.

See Toxicological Information (section 11)

**Section 4. First Aid Measures**

<b>Eye Contact</b>	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Get medical attention.
<b>Skin Contact</b>	Wash with soap and water. Get medical attention if irritation develops.
<b>Inhalation</b>	If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
<b>Ingestion</b>	If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

**Section 5. Fire Fighting Measures**

<b>Flash Point</b>	Closed cup: 43.33°C (110°F).	<b>Flammable Limits</b>	Not applicable.
<b>Flammability</b>	Combustible liquid.		
<b>Fire Hazard</b>	Keep away from heat, sparks and flame.		
<b>Fire-Fighting Procedures</b>	Use DRY chemicals, CO <sub>2</sub> , water spray or foam. Fire-fighters should wear proper protective equipment.		

**Section 6. Accidental Release Measures**

<b>Spill Clean up</b>	Put on appropriate personal protective equipment (see Section 8). Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.
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**Section 7. Handling and Storage**

<b>Handling</b>	Avoid contact with eyes. Avoid breathing vapors or spray mists. Keep container closed. Use only with adequate ventilation. Do not reuse container. Wash thoroughly after handling.
<b>Storage</b>	Store and use away from heat, sparks, open flame, or any other ignition source. Keep container tightly closed. Keep container in a cool, well-ventilated area. Store between 40°F - 120°F (4.4°C - 49°C). Keep out of the reach of children.

**Section 8. Exposure Controls, Personal Protection**

<b>Personal Protection</b>		<b>Protective Clothing (Pictograms)</b>
<b>Eyes</b>	Safety glasses.	
<b>Body</b>	Recommended: Rubber gloves. Nitrile gloves. Neoprene gloves.	
<b>Respirator</b>	Use with adequate ventilation. Avoid inhalation of vapors and spray mist. A respirator is not needed under normal and intended conditions of product use.	

**Section 9. Physical and Chemical Properties**

<b>Physical State</b>	Liquid.	<b>Color</b>	Blue. (Light.)
<b>pH</b>	10.3 - 10.8	<b>Odor</b>	Pleasant.
<b>Boiling Point</b>	100°C (212°F)	<b>Vapor Pressure</b>	Not determined.
<b>Specific Gravity</b>	0.99 (Water = 1)	<b>Vapor Density</b>	Not determined.
<b>Solubility</b>	Easily soluble in cold water, hot water.	<b>Evaporation Rate</b>	= 1.0 (Water)
		<b>VOC (Consumer)</b>	74 (g/l). 0.62 lb/gal 7.5%

**Section 10. Stability and Reactivity**

<b>Stability and Reactivity</b>	The product is stable.
<b>Incompatibility</b>	Keep away from heat, sparks and flame. Slightly reactive to reactive with OXIDIZING AGENTS.
<b>Hazardous Polymerization</b>	Will not occur.
<b>Hazardous Decomposition Products</b>	carbon oxides (CO, CO <sub>2</sub> )

**Section 11. Toxicological Information**

<b>Toxicity to Animals</b>	<b>Isopropyl Alcohol:</b>
	ORAL (LD50): Acute: 5045 mg/kg [Rat].
	<b>Ethylene Glycol Monobutyl Ether:</b>
	ORAL (LD50): Acute: 1746 mg/kg [Rat]. 1519 mg/kg [Mouse]. 1414 mg/kg [Guinea pig].
	DERMAL (LD50): Acute: 435 mg/kg [Rabbit]. >2000 mg/kg [Guinea pig].
	VAPOR (LC50): Acute: 700 ppm 7 hour(s) [Mouse]. >633 ppm 1 hour(s) [Guinea pig]. >691 ppm 1 hour(s) [Guinea pig].

**Section 12. Ecological Information****Ecotoxicity** Not available.**Biodegradable/OEC** Not available.**Section 13. Disposal Considerations****Waste Information** Waste must be disposed of in accordance with federal, state and local environmental control regulations.**Waste Stream** Non-regulated waste**Consult your local or regional authorities.****Section 14. Transport Information****Proper shipping name** Not regulated**DOT Classification** Not a DOT controlled material (United States).**UN number** Not applicable.**TDG Classification** Not a TDG controlled material.**Section 15. Regulatory Information****U.S. Federal Regulations** SARA 313 toxic chemical notification and release reporting:

Ethylene Glycol Monobutyl Ether

Clean Water Act (CWA) 311: No products were found.

Clean air act (CAA) 112 regulated toxic substances: Ethylene Glycol Monobutyl Ether

**State Regulations** California prop. 65: No products were found.**WHMIS (Canada)** Class D-2B: Material causing other toxic effects (TOXIC).**Section 16. Other Information**

*To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.*

*Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*